

CLAIMS

1. A film-forming composition for the manufacture of capsules, characterized in that it mainly comprises:
- at least one compound of the heteroxylyan type,
 - at least one plasticizing agent, and
 - at least one gelling agent.
2. The composition according to claim 1, characterized in that the heteroxylyan is arabinoxylan.
3. The composition according to claim 1 or 2, characterized in that the plasticizer is preferably chosen from the group of (poly)hydroxylated compounds, and more preferably still from the group comprising glycerol, sorbitol, polyethylene glycol, propylene glycol, maltitol, triacetin or mixtures thereof.
4. The composition according to any one of the preceding claims, characterized in that the gelling agent is selected from the group comprising carrageenans (κ - and ι -carrageenans), gellan gum, pectins or mixtures thereof.
5. The composition according to any one of the preceding claims, characterized in that it comprises:
- from 20 to 99% by dry weight of heteroxylyan,
 - from 5 to 40% by dry weight of plasticizer, and
 - from 0.1 to 20% by dry weight of gelling agent.
6. The composition according to any one of the preceding claims, characterized in that it additionally comprises at least one bulking agent.

7. The composition according to the preceding claim, characterized in that the bulking agent is chosen from the group comprising carbohydrates such as sucrose, fructose, starch, cellulose, maltodextrins, cereal and noncereal flours, mineral fillers such as calcium, sodium or potassium salts or mixtures thereof, and preferably a maltodextrin having a Dextrose Equivalent value of 5 to 40.
8. The composition according to the preceding claim, characterized in that it comprises from 0 to 70% by dry weight of bulking agent.
9. The composition according to any one of the preceding claims, characterized in that said compound(s) of the heteroxylan type is(are) preferably extracted from corn, rye or rice brans, or mixtures thereof.
10. The composition according to any one of the preceding claims, characterized in that said compound(s) of the heteroxylan type preferably has(have) a molar mass of between 100 000 and 300 000 g/mol.
11. The composition according to any one of the preceding claims, characterized in that it additionally comprises an additive or a mixture of additives chosen from:
- colorings, chosen in particular from the group consisting of titanium oxide, iron oxide, patent blue, quinoline yellow, orange yellow S, cochineal red A or chlorophyllin-copper complex,
 - antioxidants such as ascorbic acid, tocopherol, butylhydroxyanisole (BHA) or butylhydroxytoluene (BHT).

12. The composition according to the preceding claim,
characterized in that it comprises:
- between 0 and 3% by dry weight of coloring,
and/or
5 - between 0 and 3% by dry weight of antioxidant.
13. The composition according to any one of the
preceding claims, characterized in that it is in
the form of a solution, preferably an aqueous
10 solution.
14. The composition according to the preceding claim,
characterized in that it comprises from 25 to 80%
by weight of water.
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15. The use of the composition according to any one of
claims 1 to 14, for producing film.
16. A film obtained from the composition according to
any one of claims 1 to 14 or according to the use
20 in accordance with the preceding claim.
17. The film according to the preceding claim,
characterized in that it has the following
25 mechanical properties:
- a rupture strength of between 30 and 250 N,
- an elasticity of between 20 and 120 N.s⁻¹,
- a deformation of between 2 and 20%.
- 30 18. A capsule obtained from a composition according to
any one of claims 1 to 14 or from a film according
to either of claims 16 and 17.
19. A soft capsule, characterized in that it contains:
35 - between 60 and 99% by dry weight of at least
one heteroxylan,
- between 5 and 40% by dry weight of at least one
plasticizer,

- between 0.1 and 20% by dry weight of at least one gelling agent,
- between 0 and 70% of at least one bulking agent.

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20. A hard capsule, characterized in that it contains:

- between 20 and 90% by dry weight of at least one heteroxylan,
- between 10 and 30% by dry weight of at least one plasticizer,
- between 5 and 20% by dry weight of at least one gelling agent,
- between 0 and 70% by dry weight of at least one bulking agent.

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